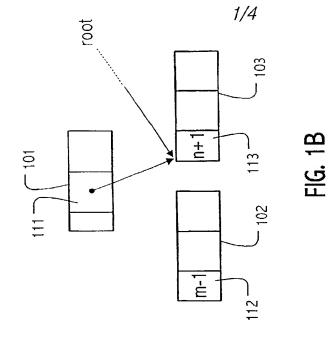
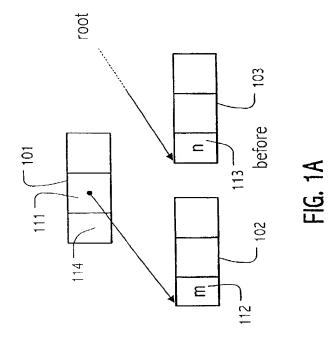
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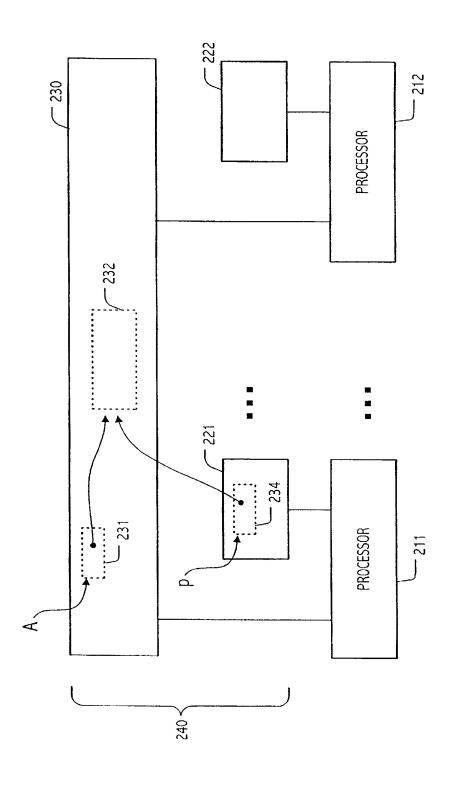




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|---|------------------|---|
| class SNode { 31 class SNode *L, *R; valtype V; long rc; 32 SNode(): L(Null), R(Null), rc(1) {}; }; | class Snark { 33 | |
| <pre>class SNode {</pre> | class Snark { 3 | ī |

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|---|---|--|
| <pre>valtype Snark::pushRight(valtype v) { 49 SNode *nd = new SNode; 50 SNode *rh = Null, *rhR = Null, *lh = Null; 51 if (nd == Null) { 52 LFRCDestroy(rhR, nd, rh, lh); 53 return FULLval; } </pre> | LFRCStore(&nd→R, Dummy); nd→V = v; while (true) { LFRCLoad(&RightHat, &rh); LFRCLoad(&rh→R, &rhR); if (rhR == Null) { LFRCStore(&nd→L, Dummy); LFRCLoad(&LeftHat, &lh); if (LFRCDCAS(&RightHat, &LeftHat, rh, lh, nd, nd))) { LFRCDestroy(rhR, nd, rh, lh); return OKval; } | <pre>} else { LFRCStore(&nd→L, rh); if (LFRCDCAS(&RightHat, &rh→R,</pre> |
| val: 49 50 51 52 53 | 54 55 56 57 58 59 60 60 61 63 | 65 66 67 68 } |
| valtype Snark::pushRight(valtype v) { 14 SNode *nd = new SNode; 15 SNode *rh, *rhR, *lh; 16 if(nd == Null) 17 return FULLval; | nd→R = Dummy; nd→V = v; while (true) { rh = RightHat; rhR = rh→R; if (rhR == rh) { nd→L = Dummy; lh = LeftHat; if (DCAS(&RightHat, &LeftHat, rh, lh, nd, nd)) return OKval; | <pre>felse { nd→L = rh; if (DCAS(&RightHat, &rh→R, rh, rhR, nd, nd)) return OKval; } }</pre> |
| valt, 14 15 16 16 | 18 19 20 21 22 23 24 24 25 25 27 | 28 29 30 30 |

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